



**SSRI Center for Physical Sciences and Technology**  
**Department of Textile Technologies**  
**Laboratory for Testing and Certification of Textiles**



Nr. LA.01.048



<b>TEST REPORT</b> <b>No. 182-24E</b>	Page 1 from 3
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**Date of receipt:** 2024 10 04  
**Date of performance of test:** 2024 10 16

Customer

„FabricAir“ A/S  
 Sandvadsvej 2,  
 4600 Koge,  
 Denmark

**Identification and description of the sample:**

Identification code of sample given by laboratory	Data declared by customer
<b>2182-24</b>	PES woven fabric for air distribution system Combi 20,70. 99,5% PES, 0,5% Metal

*For testing presented:* a piece of woven fabric, approximately (100x150) cm

**Sampling:**

The sample was selected by customer. There is no information about the sampling method.

**Methods used:**

- |  |  |
|--|--|
| 1. LST EN 1149-1: 2006   | surface resistivity                    |
| 2. LST EN ISO 6330: 2012, washing procedure (4N), drying procedure (F) | domestic washing and drying procedures |

The results contained in this report only refer to the tested items.  
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Issue date 2024 10 17	<i>Formalized by:</i> <b>Administrator-manager of Laboratory</b> Kristina Dubinskaitė	<i>Approved by:</i> <b>Head of Laboratory</b> Vitalija Rubežienė
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**SURFACE RESISTIVITY (AFTER WASHING AND DRYING)**

<b>Tested sample:</b>	<b>identification code 2182-24</b>
<b>Test method:</b>	LST EN 1149-1: 2006
<b>Test conditions:</b>	
Apparatus:	apparatus for determination of electrostatic properties of fabrics (assembly of electrodes, Thera ohmmeter ELTEX 6206)
The voltage used:	10 V
Pre-treatment (washing):	washing according to LST EN ISO 6330: 2022, washing procedure 4N (40±3 °C); drying procedure F – tumble dry (maximum temperature 60 °C); 5 washing and drying cycles, (for more information see Page 3).
Number of test specimens:	5

Conditioning for 24 h and testing of samples in standard atmosphere: temperature (23 ± 1) °C, relative humidity (25 ± 5) %.

**RESULTS**

No. of specimens	Surface resistance (Ω) after 5 washing and drying cycles	Surface resistivity (Ω), after 5 washing and drying cycles
1	< 2·10 <sup>3</sup>	< 3,16 ·10 <sup>4</sup>
2	< 2·10 <sup>3</sup>	< 3,16 ·10 <sup>4</sup>
3	< 2·10 <sup>3</sup>	< 3,16 ·10 <sup>4</sup>
4	< 2·10 <sup>3</sup>	< 3,16 ·10 <sup>4</sup>
5	< 2·10 <sup>3</sup>	< 3,16 ·10 <sup>4</sup>

**Note:** Surface resistance was measured with the Thera ohmmeter ELTEX 6206 with a range: (2·10<sup>3</sup>÷2·10<sup>14</sup>) (Ω).

INFORMATION ABOUT DOMESTIC WASHING AND DRYING PROCEDURES

<b>Tested sample:</b>	<b>identification code 2182-24</b>
<b>Test method:</b>	LST EN ISO 6330: 2022
<b>Test conditions:</b>	
Washing procedure:	4N (40 ± 3°C)
Apparatus:	washing machine WASCATOR FOM71MP – Lab, type A2
Number of washing cycles:	5
Used detergent:	ECE non phosphate reference detergent 98 without optical brightener - reference detergent No. 3 with sodium-perborate tetrahydrate
Total dry mass of the specimens and ballast:	(2 ± 0,2) kg
The ballast used:	100 % polyester knitted fabric, type III
Drying procedure:	F – tumble dry (maximum temperature 60°C)
Apparatus:	drying machine WASCATOR T2130, type A1

INFORMATION

Tested sample (identification code 2182-24) was pre-treated 5 washing and drying cycles according to procedures indicated above before surface resistivity test according to LST EN 1149-1: 2006 standard.

Sample - identification code 2182-24, fabric before test (face side on top):



Head of Laboratory  
Vitalija Rubežienė

